



MISSOURI DEPARTMENT OF NATURAL RESOURCES
SOLID WASTE MANAGEMENT PROGRAM
ACTIVE SANITARY LANDFILL INSPECTION CHECKLIST

TYPE OF INSPECTION

I. GENERAL INFORMATION

DATE OF INSPECTION	DAYS/WEEK OPEN	TIME OF ARRIVAL/DEPARTURE	
FACILITY NAME	COUNTY	PERMIT NUMBER	
MAILING ADDRESS	CITY	STATE	ZIP CODE
LANDFILL REPRESENTATIVE PRESENT	PHONE NUMBER WITH AREA CODE	TEMPERATURE/WEATHER	

II. INSPECTION CHECKLIST – Check all sections S = Satisfactory U = Unsatisfactory or N = Not Applicable

S U N <u>10CSR 80-2.020</u>	Permit Issuance, Construction Permits, Operating Permits, Emergency Permits and Exemptions
1. <input type="checkbox"/> <input type="checkbox"/> (1)(F)	Site constructed and operated per permit PHASE
2. <input type="checkbox"/> <input type="checkbox"/> (2)(B)1	Site received operating permit prior to accepting waste
3. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> (4)(A)	Permit modification approved prior to implementation
<u>10CSR 80-2.060</u>	Certified Solid Waste Technician
4. <input type="checkbox"/> <input type="checkbox"/> (2)(A)	Certified solid waste technician directs or performs site operations. Name:
<u>10CSR 80-3.010</u>	Design and Operation: Solid Waste Accepted
5. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> (2)(C)1	Bulky solids crushed on solid ground
6. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> (2)(C)3	Special waste disposal in accordance with approved plans
	Solid Waste Excluded
7. <input type="checkbox"/> <input type="checkbox"/> (3)(B)2C	Personnel trained to recognize excluded waste
8. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> (3)(C)1	Entrance sign listing excluded waste present
9. <input type="checkbox"/> <input type="checkbox"/> (3)(C)2	Screening and removal of excluded waste implemented
	Site Selection
10. <input type="checkbox"/> <input type="checkbox"/> (4)(C)1	Site accessible in all weather conditions
	Design
11. <input type="checkbox"/> <input type="checkbox"/> (5)(B)1	Buffer zone maintained per approved plans
12. <input type="checkbox"/> <input type="checkbox"/> (5)(C)1	Construction and operation of the site in accordance with approved plans and specification
13. <input type="checkbox"/> <input type="checkbox"/> (5)(C)2	Operating manual available
	Survey Control
14. <input type="checkbox"/> <input type="checkbox"/> (7)(C)	Boundary markers, benchmarks, horizontal control stations and construction stakes clearly marked and identified, and replaced or reestablished as necessary to ensure the operations proceed in accordance with approved plans.
	Water Quality
15. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> (8)(B)1F	MO Clean Water Law permits and approvals for runoff obtained
16. <input type="checkbox"/> <input type="checkbox"/> (8)(C)1	Surface water courses and runoff diverted from working face; grading promotes rapid runoff without excessive erosion
17. <input type="checkbox"/> <input type="checkbox"/> (8)(C)2	Contact between water and solid waste minimized
	Leachate Collection Systems
18. <input type="checkbox"/> <input type="checkbox"/> (9)(C)1	Leachate collection system properly installed and operated per permit and approved plans
19. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> (9)(C)2	Leachate not allowed to discharge off-site or into waters of the state, except in accordance with MO Clean Water Law and rules
	Liner System
20. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> (10)(B)2	Liner protected from desiccation and freeze/thaw per approved design
21. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> (10)(C)5	Liner constructed per approved design specification
	Groundwater Monitoring
22. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> (11)(B)4	All groundwater monitoring wells constructed, identified and secured per 10 CSR 23-4
	Air Quality
23. <input type="checkbox"/> <input type="checkbox"/> (13)(C)	Burning of solid waste prohibited except with permit

24. ☐ ☐ (14)(C)1
 25. ☐ ☐ (14)(C)2A
 26. ☐ ☐ (14)(C)2B
 27. ☐ ☐ (14)(C)4

Gas Control

Decomposition gases not allowed to migrate laterally from landfill
 Methane not allowed to concentrate in buildings on-site above 25 percent LEL (1.25 percent by volume)
 Methane not allowed to concentrate in the soil at the property boundary above 50 percent LEL (2.5 percent by volume)
 Methane monitoring program implemented

Vectors

Vectors controlled

Aesthetics

Litter controlled
 Solid waste easily blown, covered to prevent litter
 On-site vegetation cleared only as necessary
 Salvaged materials removed daily or stored in aesthetically acceptable manner

Cover

33. ☐ ☐ ☐ (17)(B)3
 34. ☐ ☐ (17)(C)1
 35. ☐ ☐ ☐ (17)(C)2
 36. ☐ ☐ (17)(C)3
 37. ☐ ☐ ☐ (17)(C)4A
 38. ☐ ☐ ☐ (17)(C)4B
 39. ☐ ☐ ☐ (17)(C)8
 40. ☐ ☐ (17)(C)9
 41. ☐ ☐ ☐ (17)(C)10

Final slopes not to exceed 25 percent without approval (with approval, refer to (17)(C)3)
 Adequate daily cover applied (6 inches soil or approved ADC)
 Adequate intermediate cover applied (1 foot soil)
 Slopes not to exceed 33.3 percent (without approval per (17)(B)3)
 Adequate final cover applied – areas without liners
 Adequate final cover applied – areas with liners
 Vegetation established within 180 days of application of intermediate or final cover
 Regrading and recovering performed as necessary
 Borrow areas reclaimed per approved plans

Compaction

42. ☐ ☐ (18)(C)1
 43. ☐ ☐ (18)(C)1A
 44. ☐ ☐ (18)(C)1B
 45. ☐ ☐ (18)(C)1C
 46. ☐ ☐ ☐ (18)(C)2

Adequate waste handling equipment available and operated as necessary
 Waste compacted in layers no more than two feet and confined to smallest area practicable
 Waste compacted to smallest practicable volume
 Cover compacted as much as practicable
 Preventive maintenance performed on equipment

Safety

47. ☐ ☐ (19)(C)1
 48. ☐ ☐ (19)(C)2
 49. ☐ ☐ (19)(C)3
 50. ☐ ☐ (19)(C)4
 51. ☐ ☐ (19)(C)5
 52. ☐ ☐ (19)(C)6
 53. ☐ ☐ (19)(C)7

Fire extinguishers provided on all waste handling equipment
 Any fires at site or in delivered waste extinguished
 Communications equipment available for emergencies
 Scavenging prohibited
 Site access controlled by established roadways and limited to hours of operation
 Traffic signs and markers provided to direct traffic to working face
 Dust control provisions utilized

Records

54. ☐ ☐ (20)(C)1A
 55. ☐ ☐ (20)(C)1B
 56. ☐ ☐ (20)(C)1C
 57. ☐ ☐ (20)(C)1C
 58. ☐ ☐ (20)(C)1D
 59. ☐ ☐ (20)(C)1E
 60. ☐ ☐ (20)(C)1F
 61. ☐ ☐ (20)(C)1G
 62. ☐ ☐ (20)(C)1I
 63. ☐ ☐ (20)(C)1J
 64. ☐ ☐ (20)(C)1K
 65. ☐ ☐ (20)(C)1K
 66. ☐ ☐ (20)(C)1L
 67. ☐ ☐ ☐ (20)(C)1M

Major operational problems, complaints or difficulties
 Gas monitoring records: Qtr.
 Site selection records
 Groundwater monitoring records: Qtr.
 Vector control records
 Dust and litter control records
 Quantity of waste handled and remaining airspace records
 Description, source and volume of special wastes received
 Closure/post closure plans
 FAI documentation, month/year approved:
 Solid Waste Technician Certification records
 Solid waste screening training and inspection records
 Tonnage Fee Records
 Corrective actions records

III. Remarks – All blocks marked U (Unsatisfactory) or N (Not Applicable) require a written explanation
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LANDFILL REPRESENTATIVE SIGNATURE	TITLE
INSPECTOR SIGNATURE	OFFICE